

Title (en)
Power supply unit

Title (de)
Stromversorgungseinheit

Title (fr)
Unité d'alimentation

Publication
EP 1071198 A1 20010124 (EN)

Application
EP 00305580 A 20000703

Priority
JP 19103099 A 19990705

Abstract (en)
A power supply unit (100) includes a transformer (101) converting an input voltage into a predetermined output voltage, a transistor (Q1) controlling a current flowing through a primary winding (L1) of the transformer (101), an output voltage detecting circuit (9) detecting an output voltage of the power supply unit (100) and outputting a detection signal corresponding to a level of the output voltage, a control circuit (7) controlling the output voltage by switching on and off the transistor (Q1) in accordance with the detection signal, and an operation control circuit controlling an operation of the control circuit (7) in accordance with the output voltage. <IMAGE>

IPC 1-7
H02M 3/335

IPC 8 full level
H02M 3/28 (2006.01); **H02M 3/335** (2006.01)

CPC (source: EP US)
H02M 3/33523 (2013.01 - EP US); **H02M 1/0006** (2021.05 - EP US); **H02M 1/0032** (2021.05 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)

- [X] EP 0875983 A2 19981104 - FIDELIX Y K [JP]
- [XA] EP 0638985 A1 19950215 - SIEMENS AG [DE]
- [XA] US 5872704 A 19990216 - KIM KWANG-SU [KR]
- [XA] EP 0671807 A1 19950913 - SIEMENS AG [DE]
- [X] DE 3638035 A1 19880511 - SIEMENS AG [DE]
- [X] US 5852550 A 19981222 - MAJID NAVEED [US], et al
- [A] DE 19537876 A1 19960418 - NIPPON DENSO CO [JP]
- [A] US 4956761 A 19900911 - HIGASHI SHINYA [JP]
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09 30 September 1996 (1996-09-30)

Cited by
CN102458023A

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1071198 A1 20010124; CA 2313364 A1 20010105; JP 2001025251 A 20010126; US 6519163 B1 20030211

DOCDB simple family (application)
EP 00305580 A 20000703; CA 2313364 A 20000704; JP 19103099 A 19990705; US 60809900 A 20000630